



ATTY DKT. No.: AMAT/2640.Y2/SYNX/SYNX/JB1
U.S. SERIAL No.: 09/874,550
FILED: JUNE 4, 2001
APPLICANT: APPLIED MATERIALS
TITLE: SINGLE WAFER LOAD LOCK WITH INTERNAL WAFER
TRANSPORT
INVENTOR: KROEKER

CONF. No.: 6635

PAGE 1 OF 18

1/18

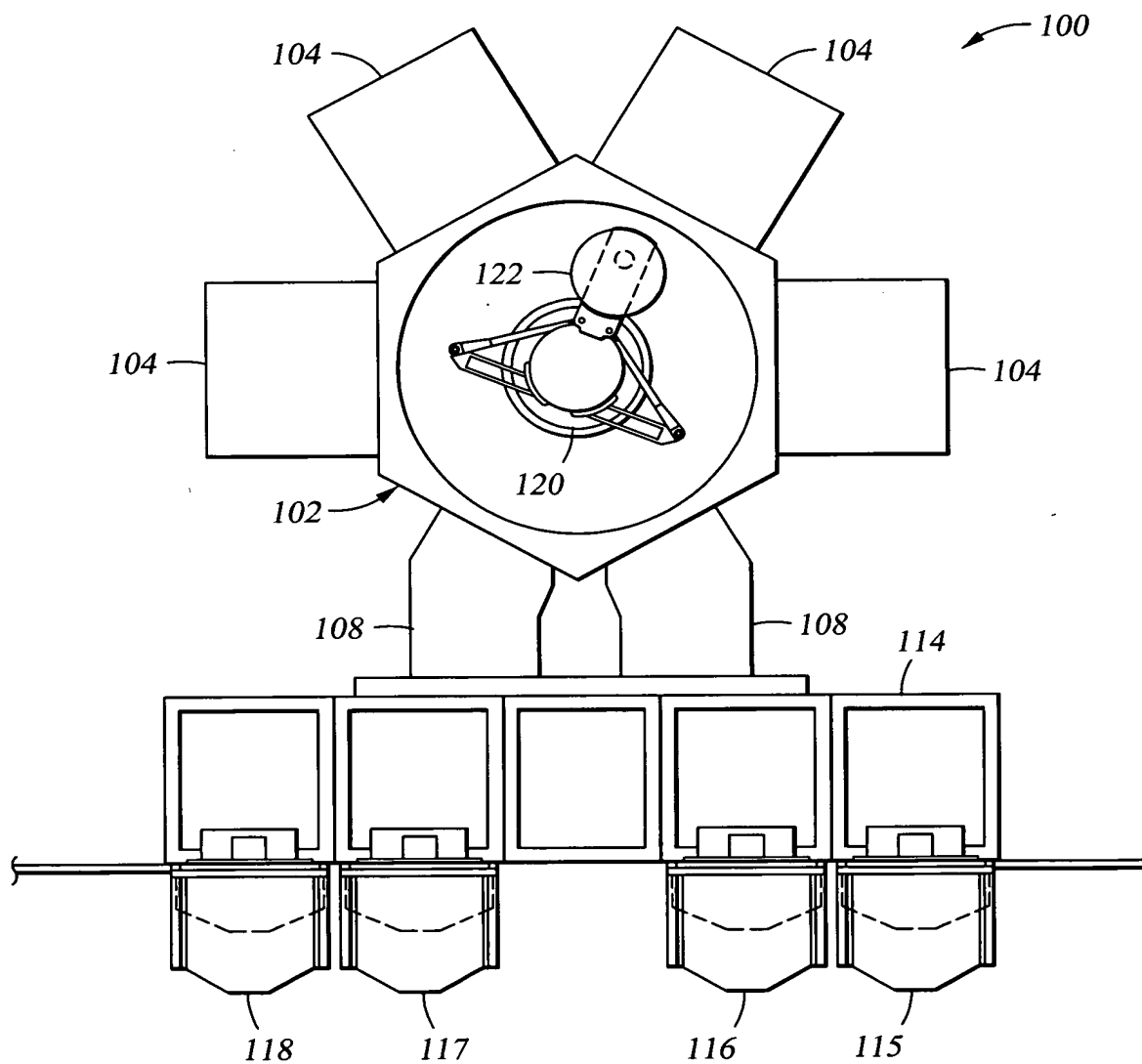
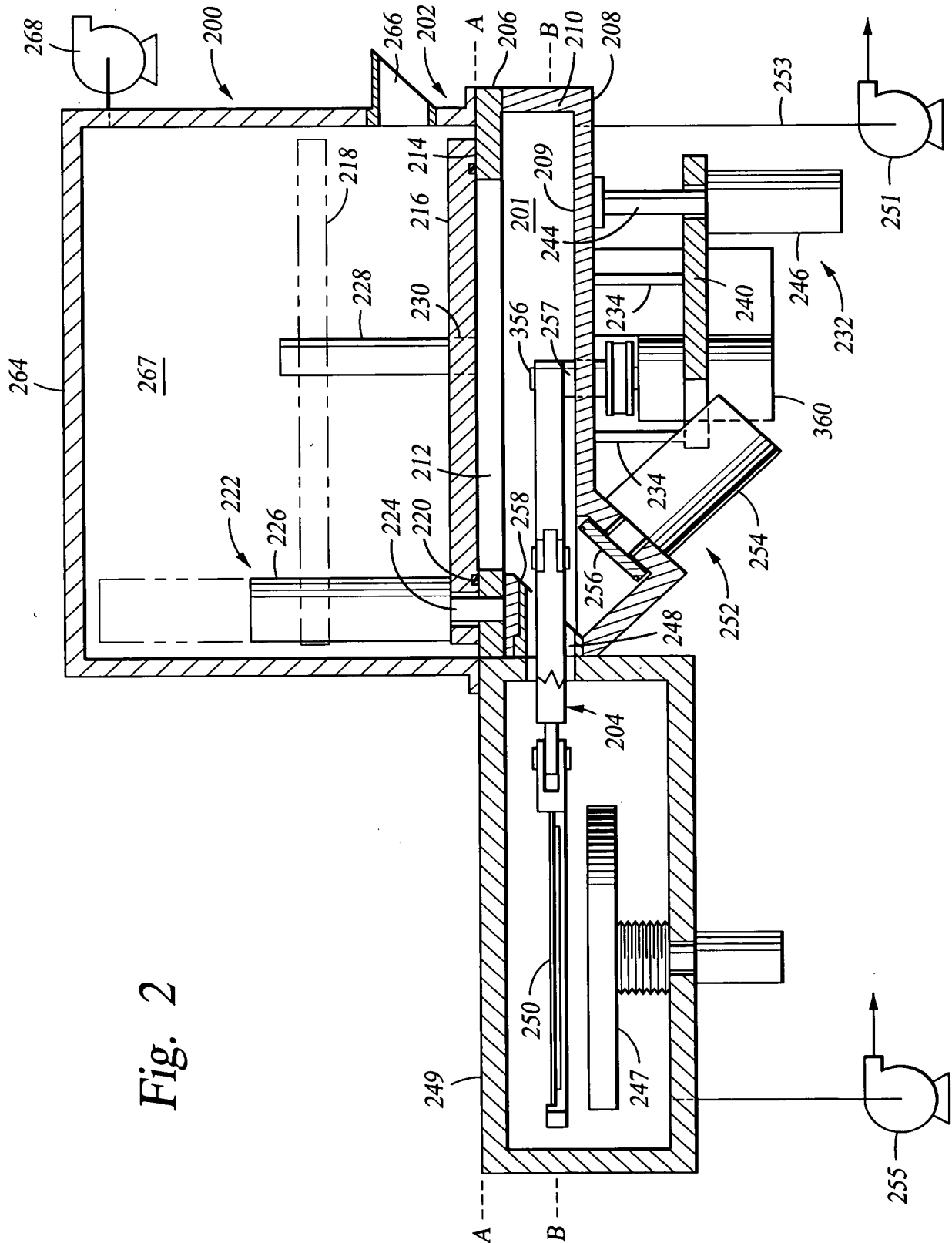
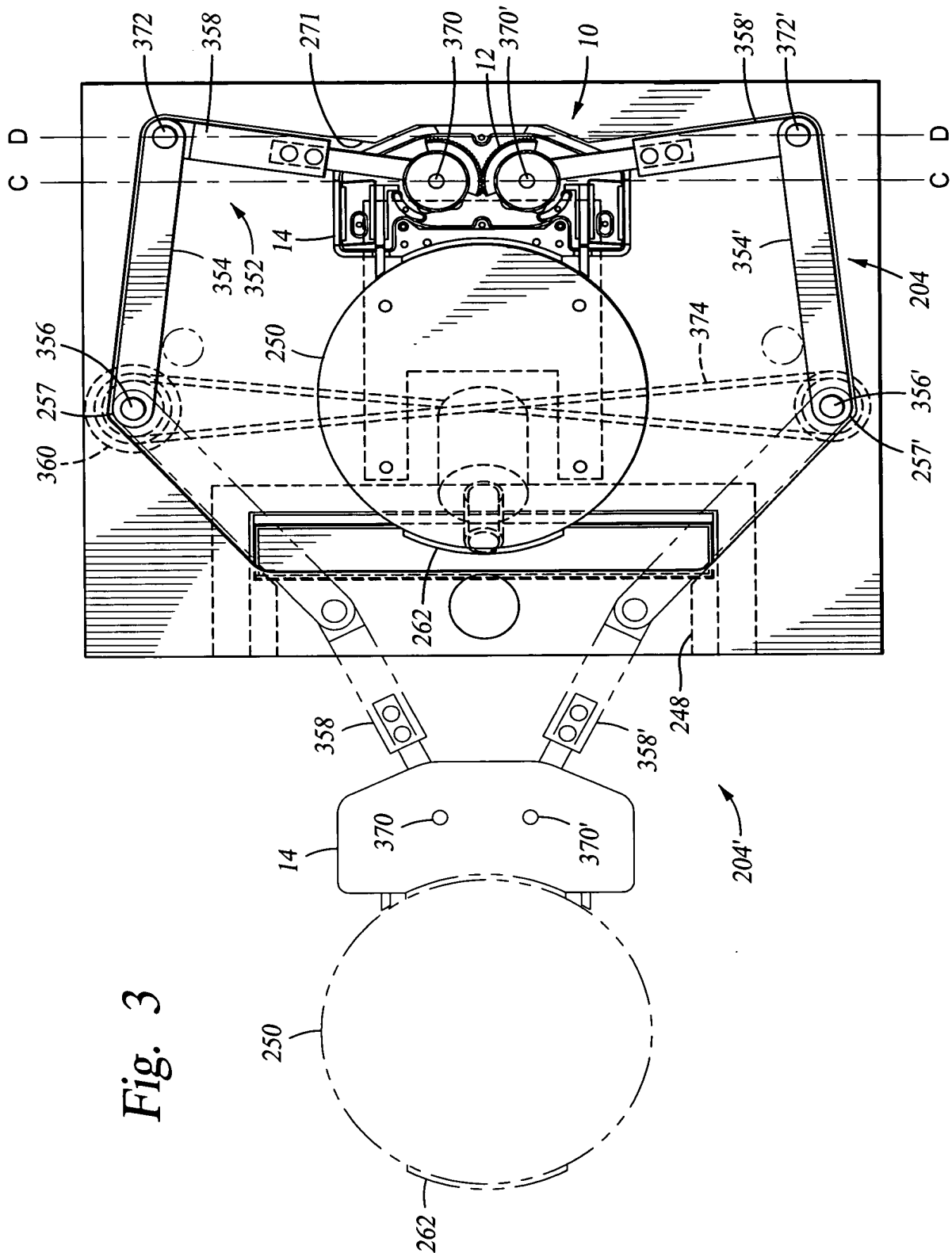


Fig. 1
(PRIOR ART)

2/18



3/18



4/18

Fig. 4A

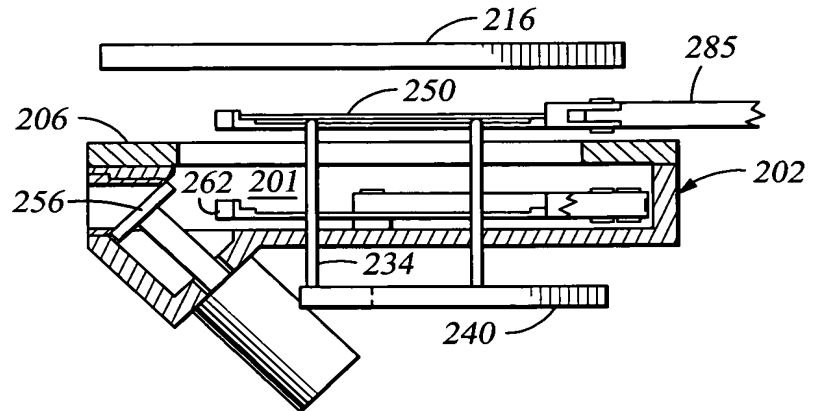


Fig. 4B

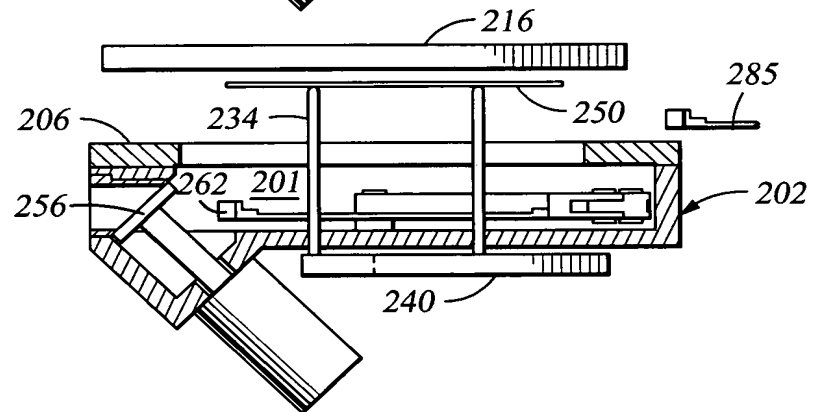


Fig. 4C

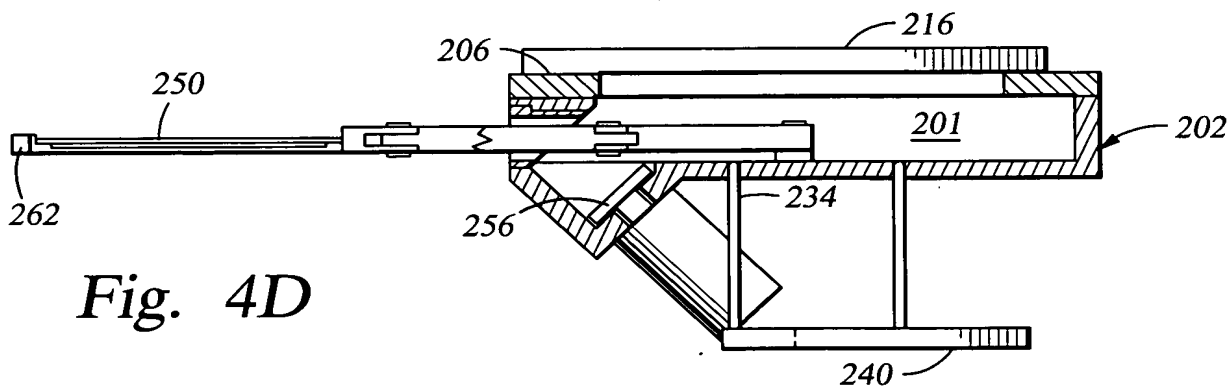
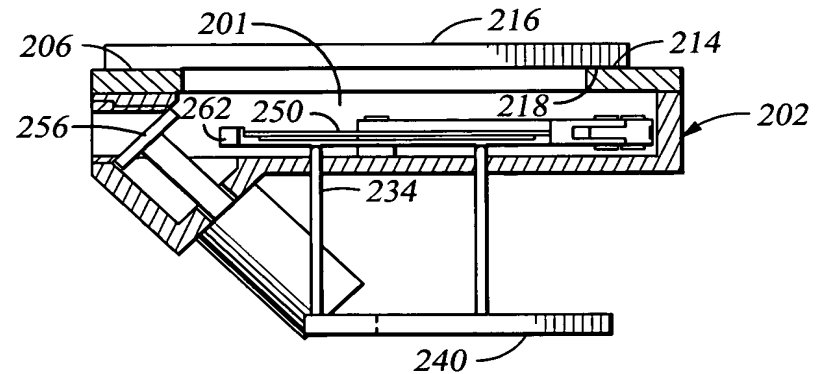
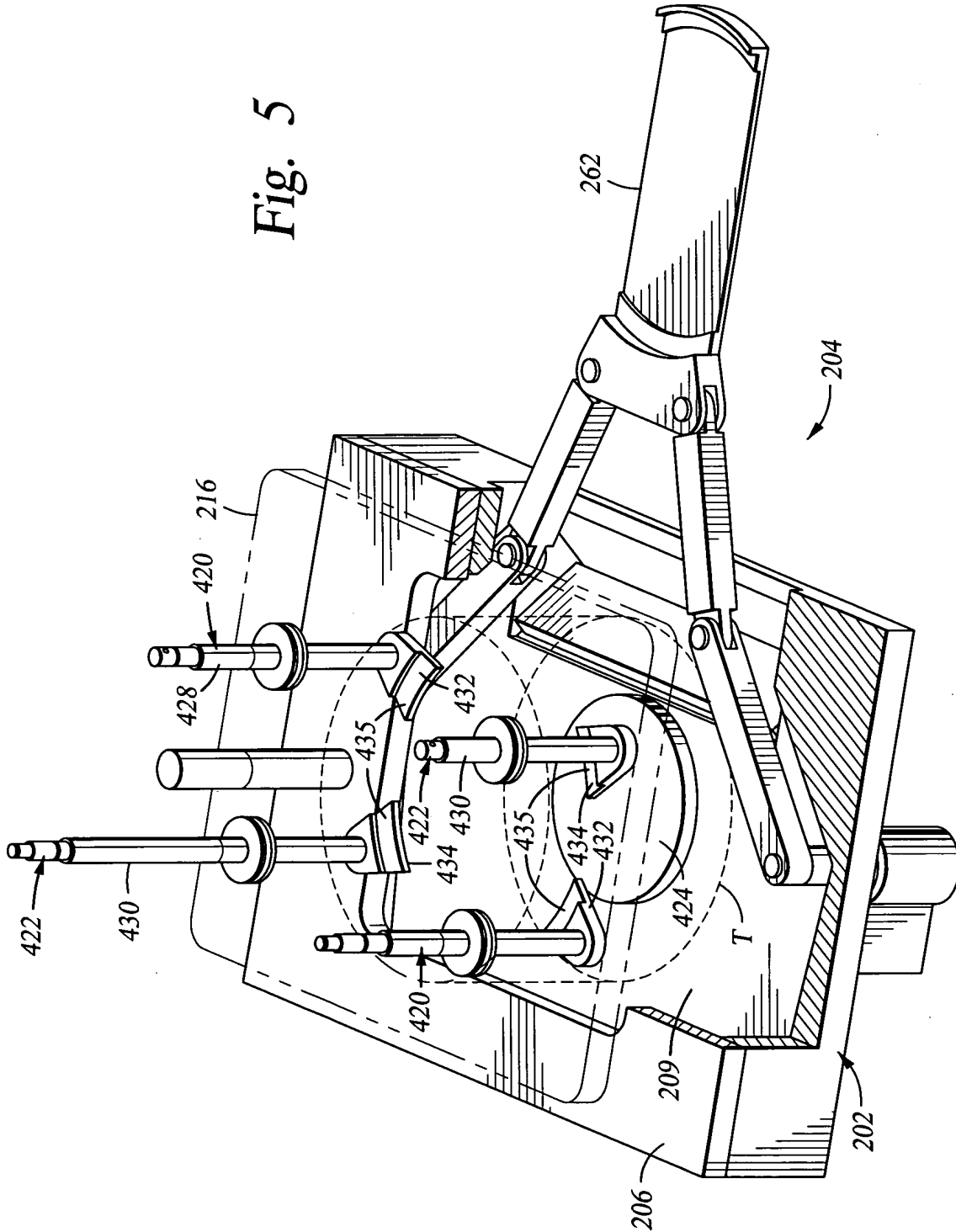


Fig. 4D

5/18

Fig. 5



7/18

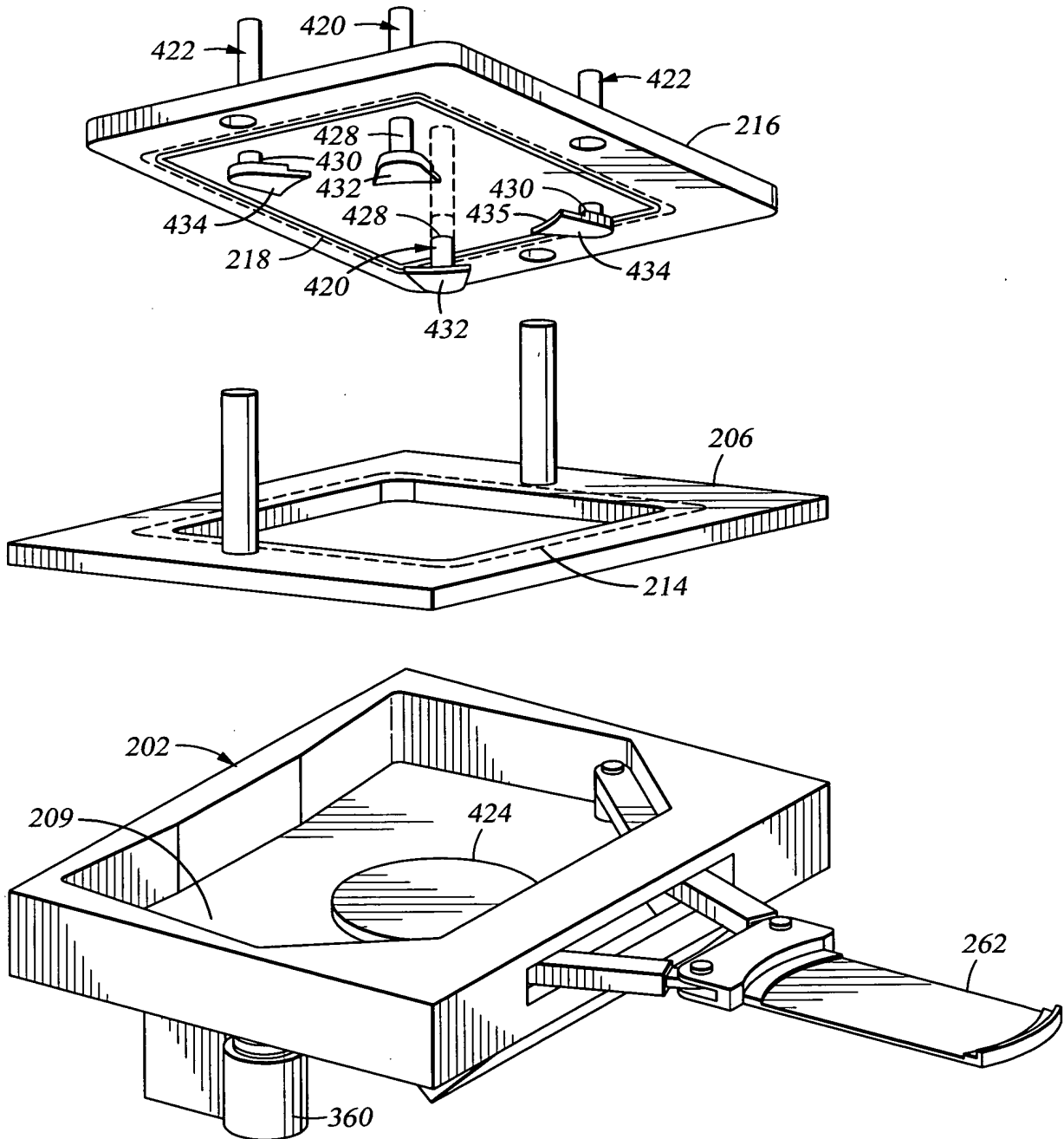
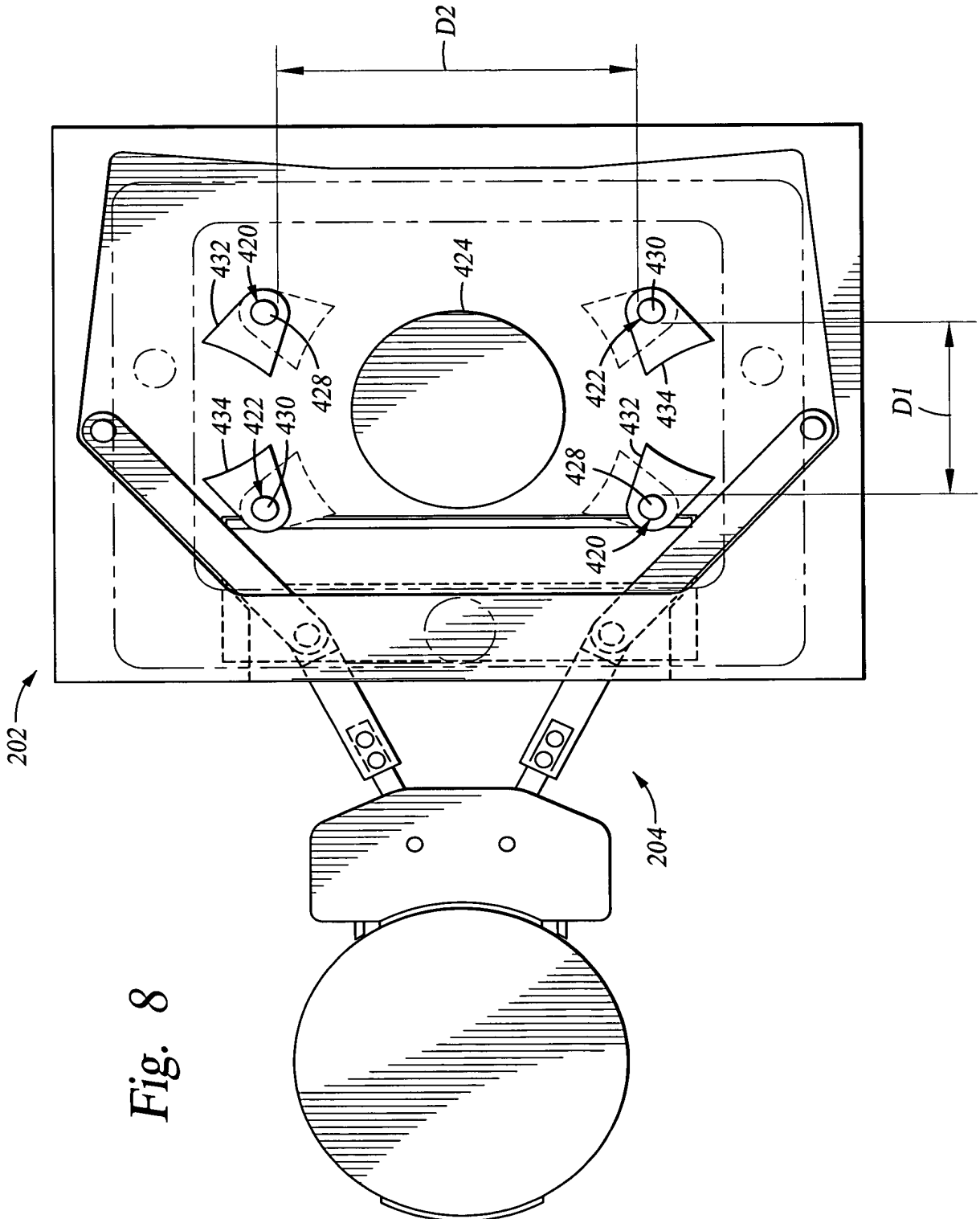


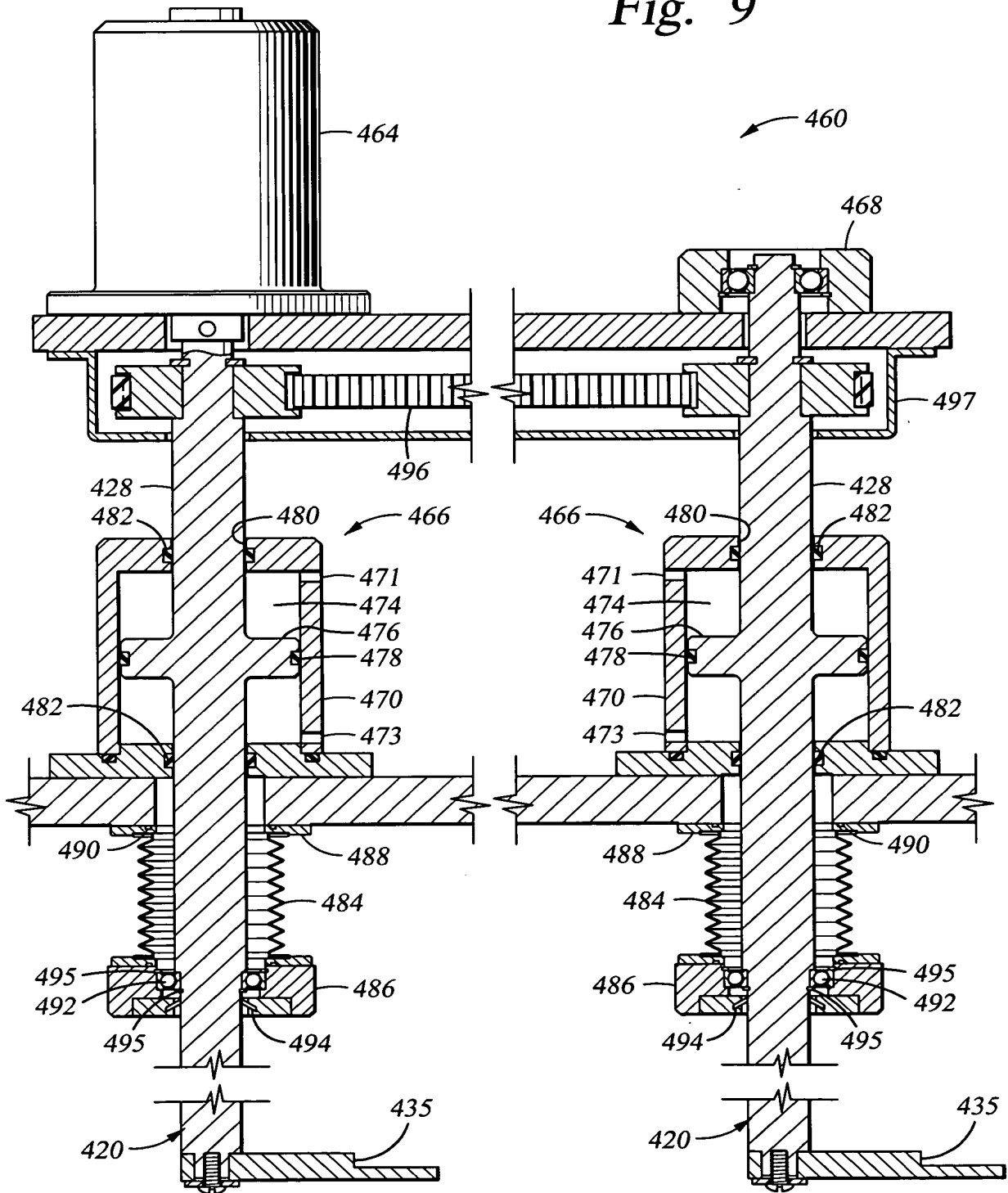
Fig. 7

8/18



9/18

Fig. 9



10/18

Fig. 10A

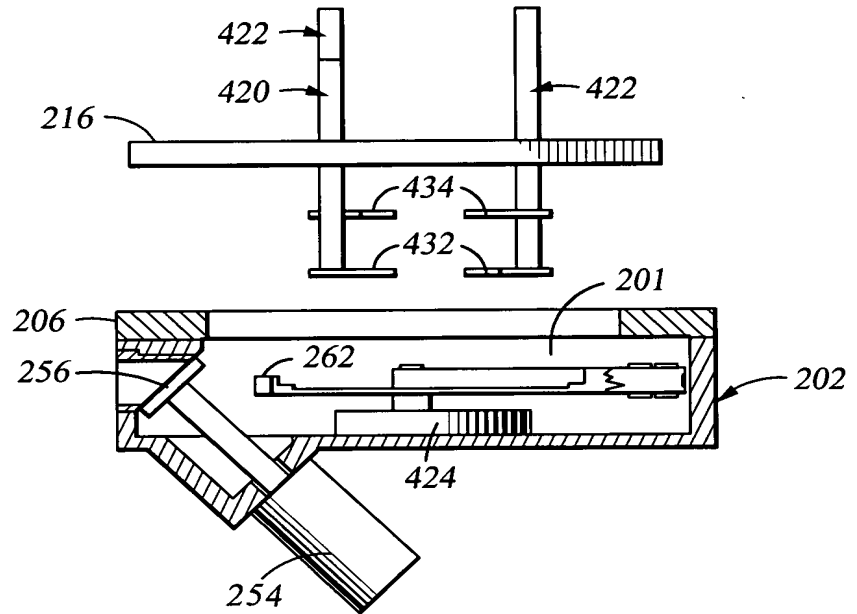
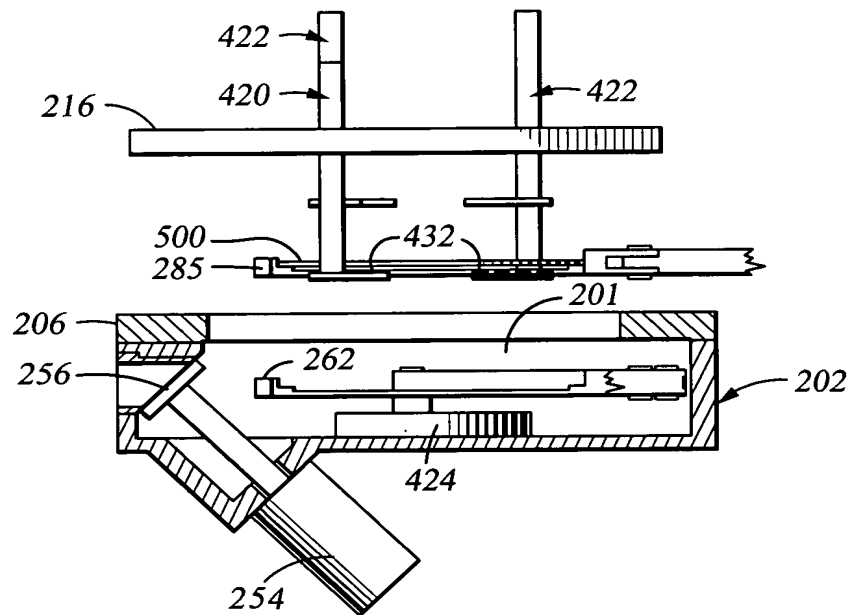
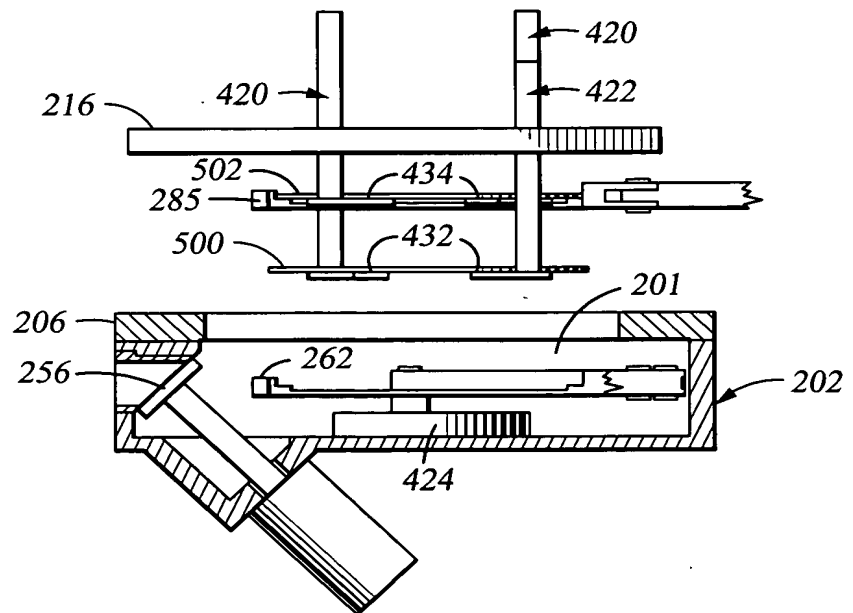
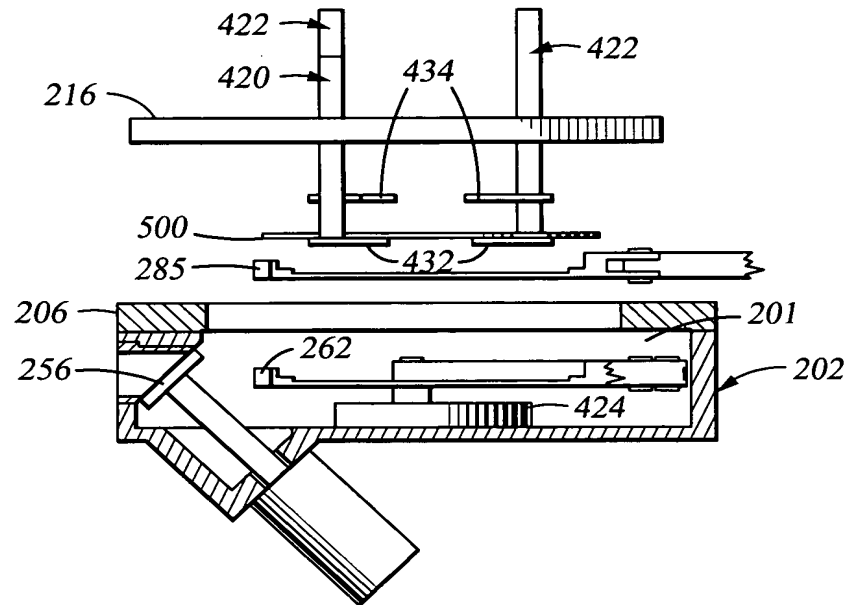


Fig. 10B

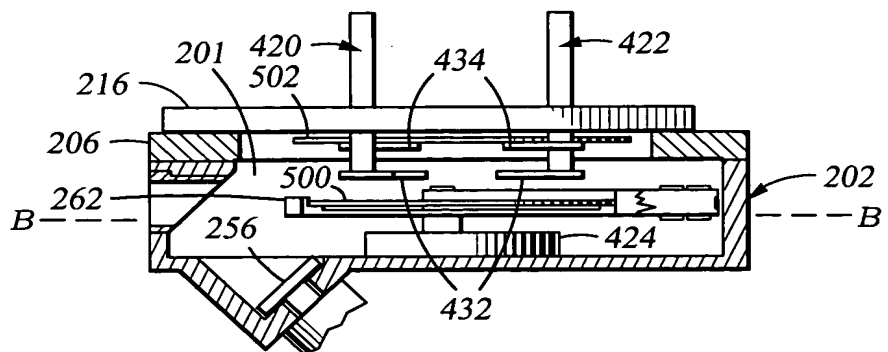
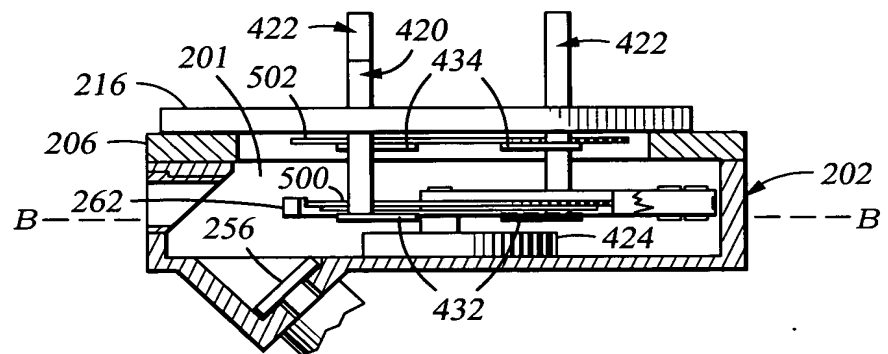
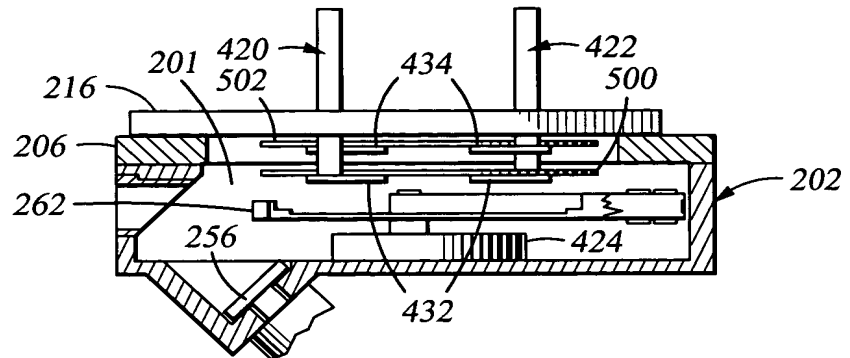


7



L

7



L

13/18

Fig. 10H

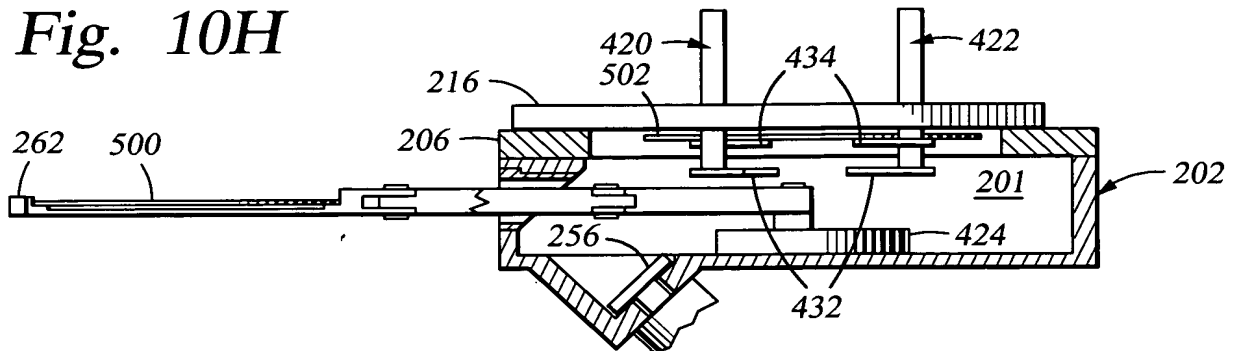


Fig. 10I

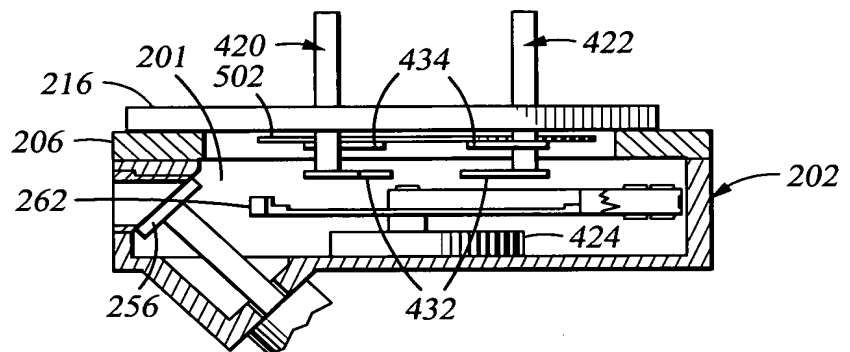


Fig. 10J

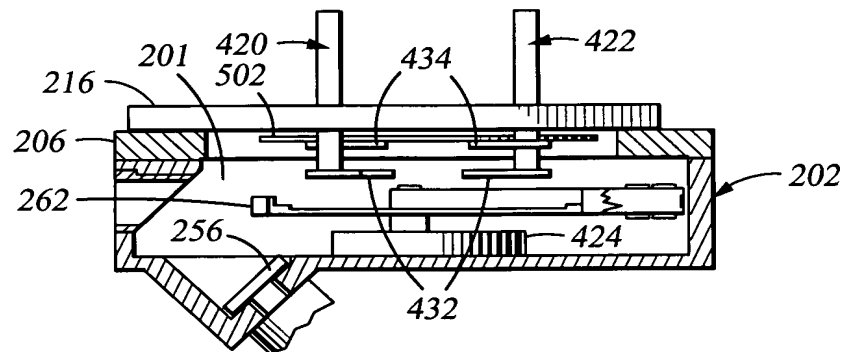
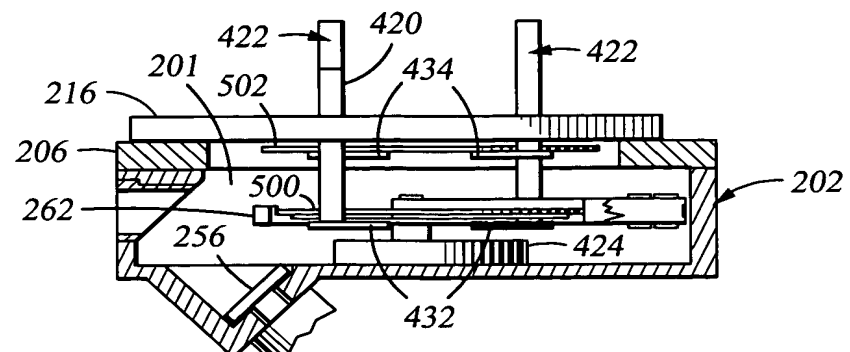


Fig. 10K



14/18

Fig. 10L

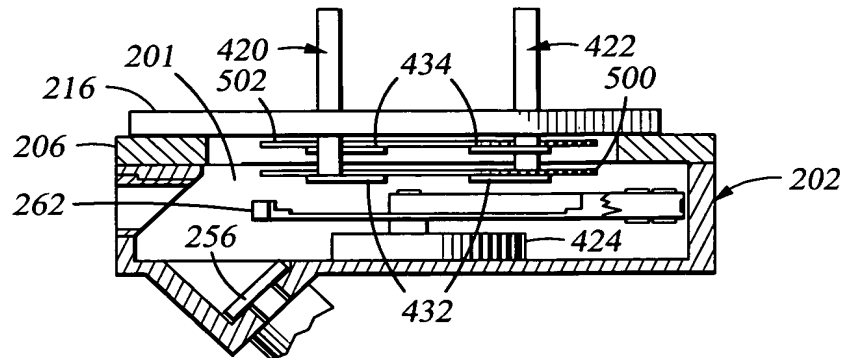


Fig. 10M

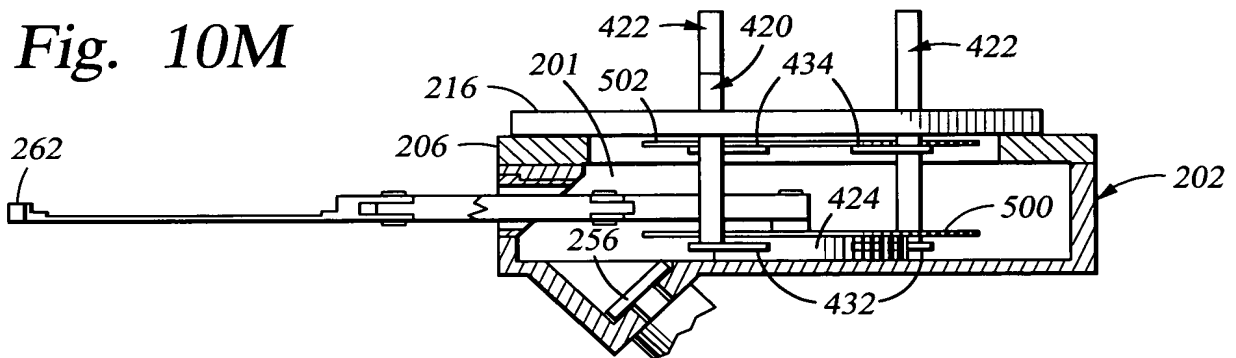


Fig. 10N

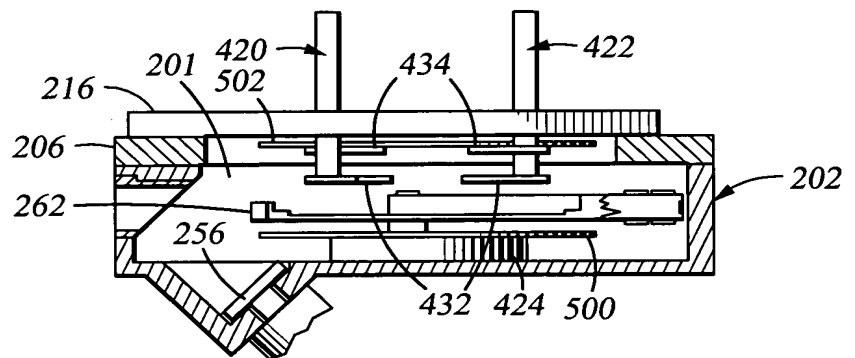
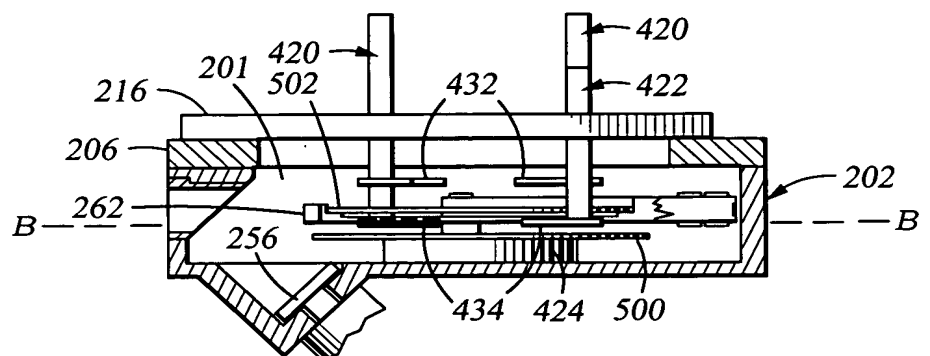


Fig. 10O



15/18

Fig. 10P

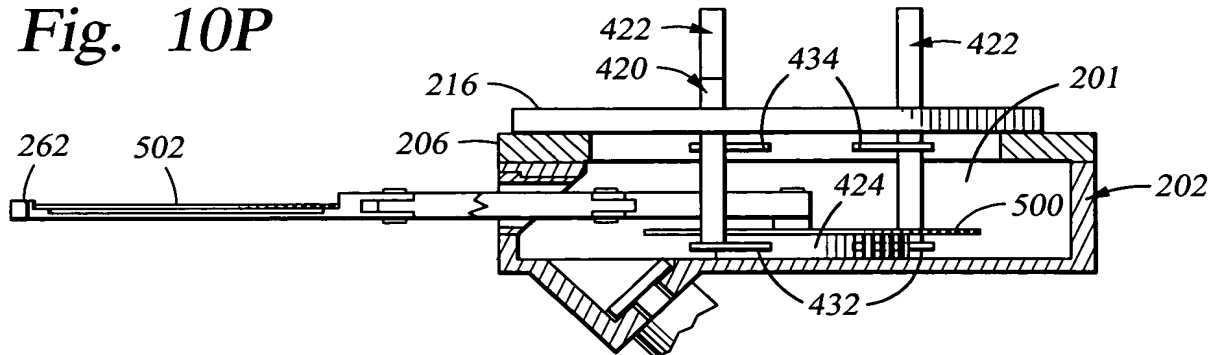


Fig. 10Q

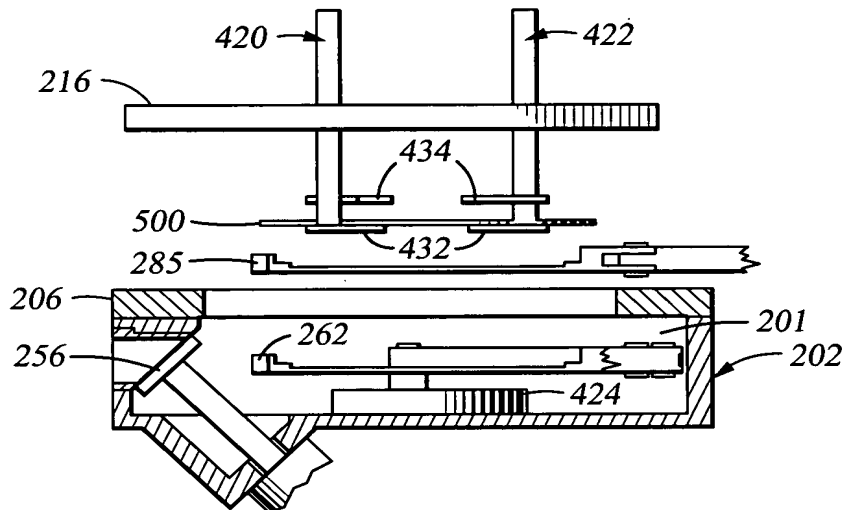
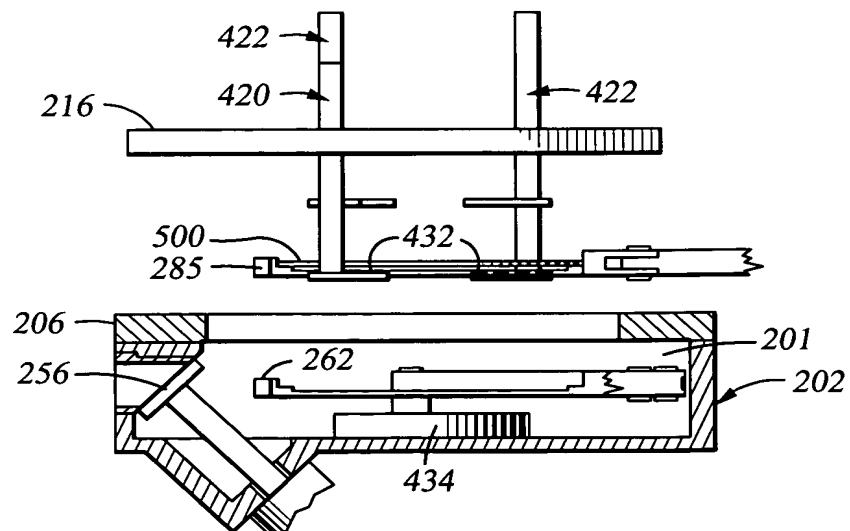


Fig. 10R



16/18

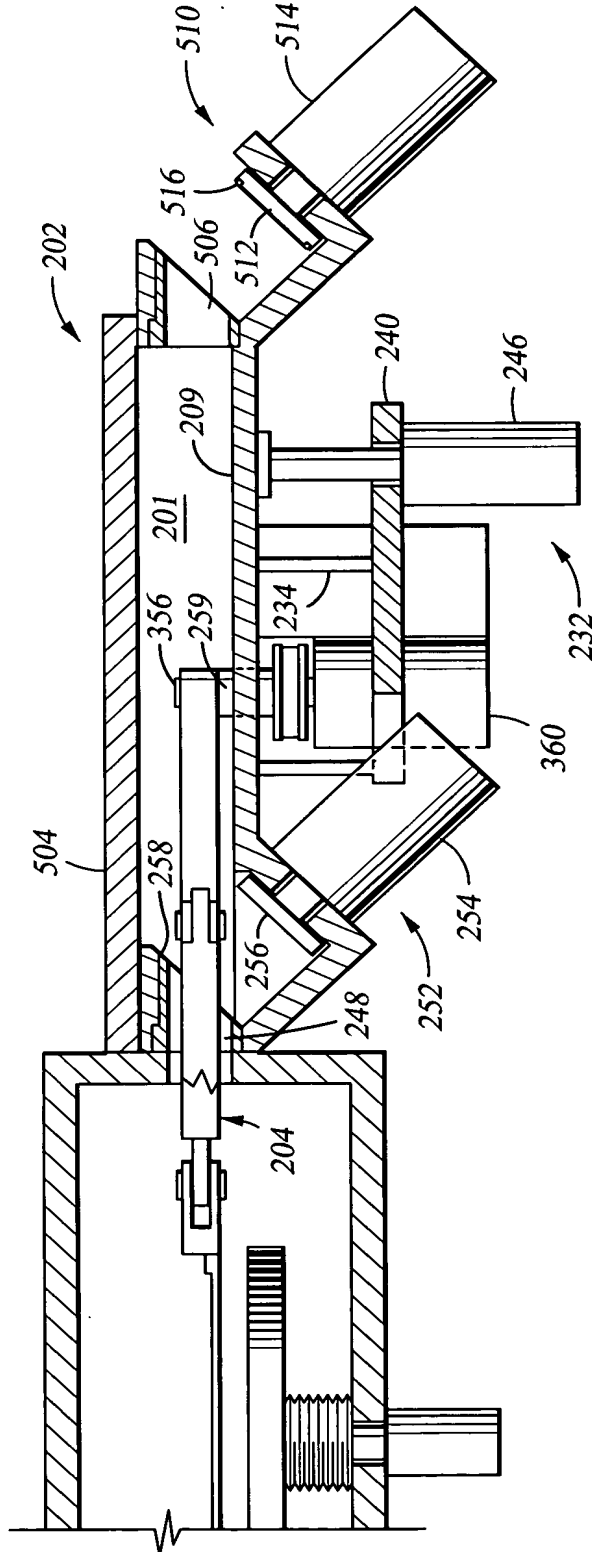
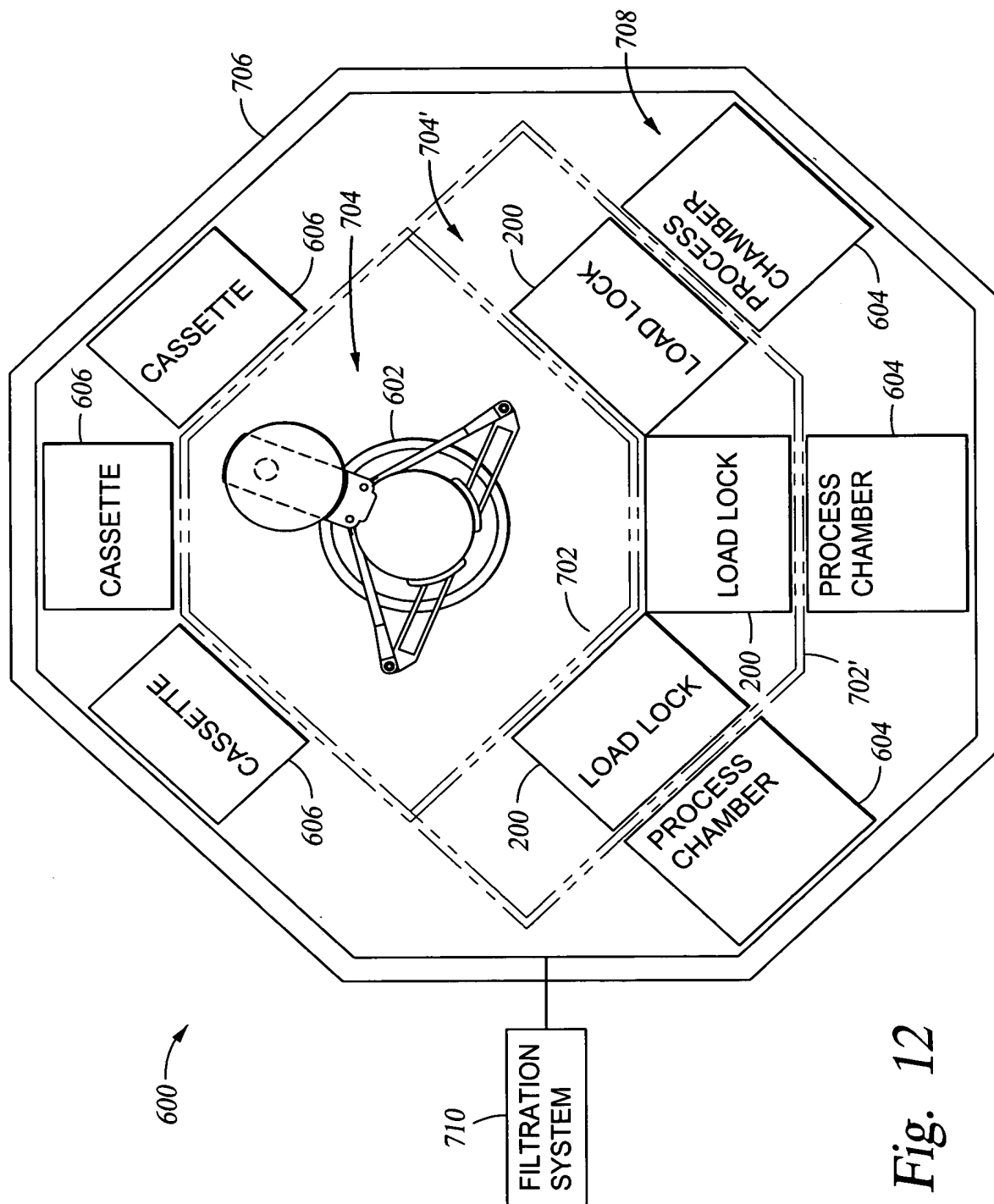


Fig. 11

17/18



18/18

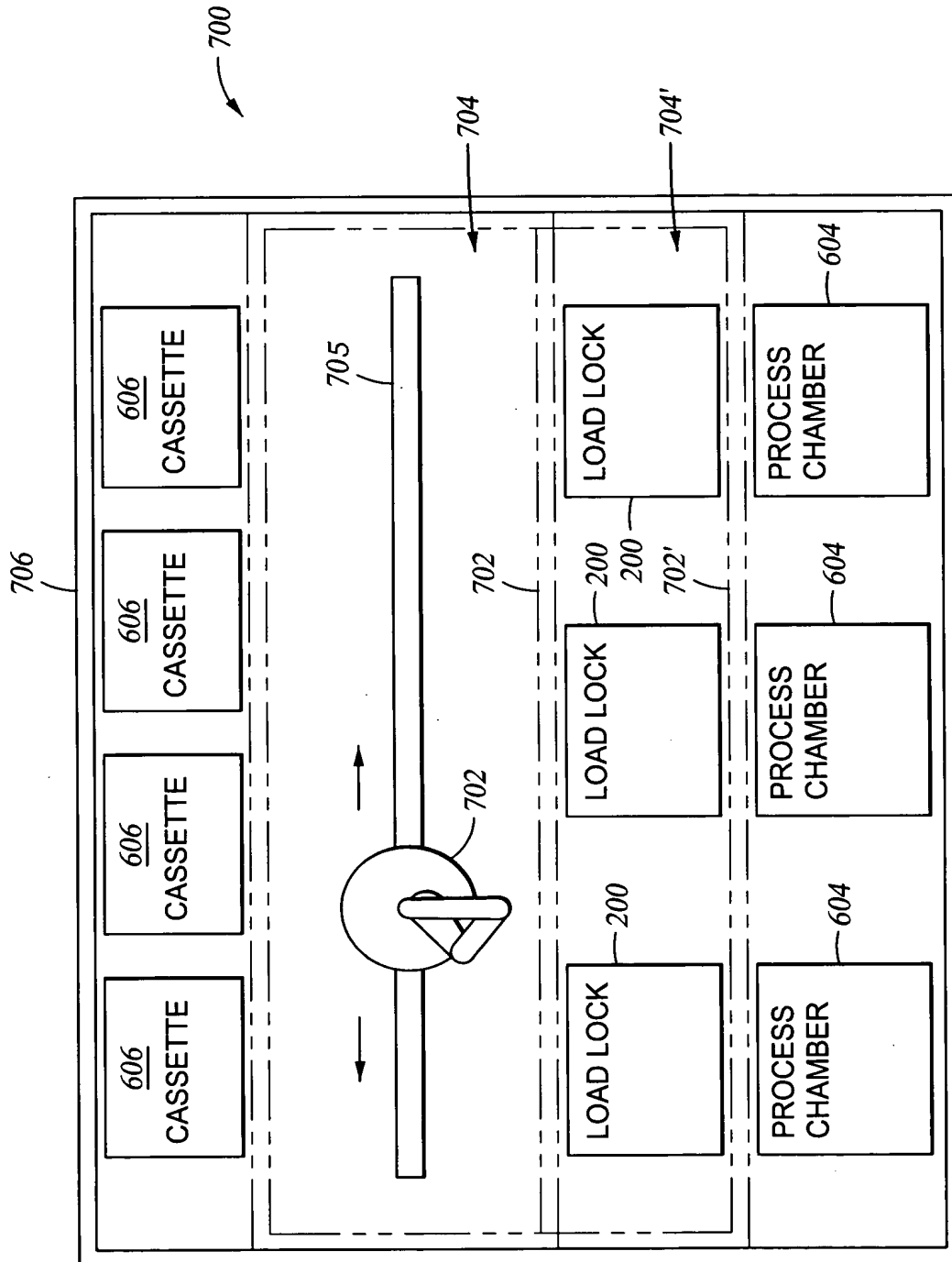


Fig. 13